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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/472,068	12/23/1999	OSAMU HORI	0039-7484.2S	8278

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EXAMINER

ZIA, SYED

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 03/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/472,068

Applicant(s)

HORI ET AL.

Examiner

Syed Zia

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 December 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. This is in response to amendment filed on December 30, 2002 (Paper No. 7). Original application contained Claims 1-21. Applicant amended Claims 1, 3, and 17. Amendment filed on December 30, 2002 have been entered and made of record. Therefore, pending Claims 1-21 are presented for further consideration and examination.

Response to Arguments

1. Applicant's arguments filed December 30, 2002 have been fully considered but they are not persuasive because of the following reasons:

Applicants argued that as recited in the currently amended Claims 1, 3, 17, and 19 the admitted prior art (APA) [Menard et al. U. S. Patent 6,061,056] does not teach that “*program feature data is added to multimedia information in units of partial information of the multimedia information*”, and as recited in Claim 19 APA does not teach “*classifying information into plural group, and preference based control of assigning priorities*”.

This is not found persuasive. APA teaches and describes a system and method for monitoring standard broadcast signals, and includes a user selection unit for inputting criteria identifying program content of interest to the user. A database stores data representing the program content criteria, and a recognition device generates a program data stream representing the program content from the broadcast signals. A comparator compares the program data with the stored data, and an output device carries out predetermined action, e.g. recording a segment

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of the program, when the program data matches the stored data. The system can be configured to activate a window on a multimedia PC when preselected program material is present in the broadcast signals.

The predetermined action can be any form of action that permits the user to examine the portion of the program of interest. For example, it can involve recording the program signals and data signals for later review, activating a video window in a computer, or just activating a beeper to alert the user to the broadcast of program content of interest.

The invention is thus capable of automatic detection of content in television broadcasts using computers, synchronizing and capturing the incoming closed captioned text together with the video and audio in a computer environment, and indexing and retrieval of individual sections of video and audio based on the content of, for example, closed caption text.

The invention is applicable to the field of multimedia applications generally. It provides techniques for automatically creating indexed multimedia databases and has many applications. For example, government elected representatives and their assistants can monitor television programs to determine what is being said about them, about their policies, etc. They can be alerted to issues immediately (Fig1-7, and col.5 line 41 to col. 7 line 38).

Thus, APA teaches and describes a receiver device for automatically recording programs of user's interest using the information of an electronic program list send from broadcasting station.

Applicants clearly have failed to explicitly identify specific claim limitations, which would define a patentable distinction over prior arts.

The examiner is not trying to teach the invention but is merely trying to teach the claim language in its broadest and reasonable meaning. The examiner will not interpret to read narrowly the claim language to read exactly from the specification, but will interpret the claim language in the broadest reasonable interpretation in view of the specification. Therefore, the examiner asserts that APA does teach or suggest the subject matter broadly recited in independent Claims 1, 3, 17, 19, and dependent Claims 2, 4-16, 18 and 20-21. Accordingly, rejections for Claims 1-21 are respectfully maintained.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Menard et al. U. S. Patent (6,061,056).

3. Regarding claims 1, 3, 17 and 19 Menard teaches and describes a system and method for monitoring broadcast signals, comprising means for receiving the broadcast signals and generating program signal streams to make available programs carried by said broadcast signals; user-operable selection means for inputting criteria identifying program content of interest to a user; a database for storing data representing said criteria; recognition means for generating from said broadcast signals, for each program stream, a program data stream separate from said program streams, said program data stream being representative of program content and changing dynamically therewith; means for synchronizing said program data stream to said program signal streams; a comparator for comparing said program data stream with said stored data; means for storing, when said program data stream matches said stored data, a program segment and the program data stream associated therewith while maintaining synchronism between the program data stream and the program segment; and display means permitting the user to examine a portion of a stored program segment by selecting a portion of the dynamic program data stream corresponding thereto. Comprising:

- adding program feature data to multimedia information in units of partial information of the multimedia information to form a program database; searching for partial information which accords with user profile data from said multimedia information based on matching between the user profile data and the program feature data; and providing the searched partial information to a user (col. 1 line 66 to col. 2 line 19);

- a first database configured to store multimedia information; an analyze section configured to analyze said multimedia information stored in said first database in units of partial information of the multimedia information using at least one analysis method of moving image analysis, acoustic/speech analysis, and text analysis (col. 3 line 15 to line 49);

- a second database configured to store program feature data which is obtained in units of the partial information of the multimedia information or program feature data which is externally inputted; and a search engine configured to search for program feature data from said second database in accordance with user profile data, and select partial information from said multimedia information stored in said first database in accordance with searched program feature data (col. 27 to line 65), col. 6 line 4 to line 14);

- classifying information items into plural groups of information items relating to personal information of a user, some of the groups of information items including plural subgroups; and describing each information items in the group or the subgroup in an order according to a priority of the information item, which is determined for each user (col. 9 line 54 to col. 10 line 16).

4. Regarding Claim 17 Menard teaches and describes a system and method for monitoring broadcast signals, comprising an information reception apparatus connected to an information providing server having a database which stores multimedia information and program feature data which is an analysis result of at least moving image analysis, acoustic/speech analysis, and text analysis in units of partial information of the multimedia information or program feature data which is externally inputted (Fig-1-2), wherein:

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a search engine configured to search for predetermined program feature data from said second database, and select the partial information from said multimedia information stored in said database in accordance with searched program feature data (col. 27 to line 65, col. 6 line 4 to line 14);

5. Claims 2, 4-8, 11, 14, and 20-21 are rejected applied as above rejecting claims 1, 3 and 19. Furthermore, Menard teaches and describes a system and method for monitoring standard broadcast signal, and includes a user selection unit for inputting criteria identifying program content of interest to the user. A database stores data representing the program content criteria, and a recognition device generates a program data stream representing the program content from the broadcast signals. A comparator compares the program data with the stored data, and an output device carries out predetermined action, e.g. recording a segment of the program, when the program data matches the stored data. The system can be configured to activate a window on a multimedia PC when pre-selected program material is present in the broadcast signals. Detecting content of broadcast signals of particular interest to individual viewers, e.g. monitoring world events for stock brokerage services, etc.; wherein:

- adding commercial feature data to commercial information to form a commercial database; and providing, to the user, commercial information which accords with the user profile data based on matching between the user profile data and the commercial feature data when providing said searched partial information to the user (col. 3 line 10 to line 15);

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- a link section configured to obtain a representative image of said partial information, and construct a display image including said representative image and searched program feature data (col. 2 line 47 to line 65);

- said user profile data includes information associated with the user's taste (col. 5 line 39 to line 40, and col. 5 line 64 to col. 6 line 3);

- a keyboard configured to input said program feature data to said second database (col. 7 line 65 to line 67);

- a third database configured to store said user profile data (col. 1 line 66 to line 5);

- a fourth database configured to store commercial message information and a fifth database configured to store commercial feature data, wherein said search engine searches for the commercial feature data from said fifth database in accordance with the user profile data, and searches for the commercial message information corresponding to a searched commercial feature data from said fourth database (col. 5 line 41 to col. 6 line 27);

- a history recording section configured to record a viewing history data of a user (col. 5 line 55 to line 63).

- a display section configured to display the partial information selected by said search engine (col. 7 line 39 to line 51);

- said group of information items including data indicating personal profile of the user; and said group of information items including data indicating taste of the user (col. 5 line 23 to line 30).

6. Claims 9-10, 12-13, and 15-16 are rejected applied as above rejecting claims 5, 8 and 11. Furthermore, Menard teaches and describes a system, and method where users can automatically be alerted as events occur. Enables automatic detection of content on TV broadcast using computers, synchronizing and capturing incoming closed captioned text together with video and audio, and indexing and retrieval of individual sections of video and audio, based on content, wherein:

- the user profile data include information representing one of a producer, title, character, and genre of the multimedia information; and said search engine searches for program feature data from said second database, and data which matches a thesaurus of the program feature data (col. 6 line 28 to line t 65);

- said viewing history data represents a user, start and end time of watch, and program feature data of information watched by the user (col. 5 line 51 to line 55);

- a third database configured to store said user profile data; and a rewrite section configured to rewrite the user profile data stored in said third database in accordance with said viewing history data (Fig.3, and col. 6 line 57 to line 65);

- a display section configured to display the partial information selected by said search engine and display the commercial message information selected by said search engine as a banner; and a display section configured to display the partial information selected by said search engine and display the commercial message information selected by said search engine as a sub window (col. 4 line 63 to col. 5 line 22).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 703-305-3881. The examiner can normally be reached on Monday - Friday 9:00 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 703-305-9648. The fax phone numbers for the

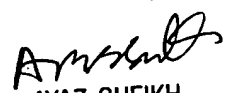
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organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-746-7240.

SZ

February 27, 2003


AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100